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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/654,288	09/02/2003	Kuo-Chih Lin		4455

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EXAMINER

BUI, HUNG S

ART UNIT PAPER NUMBER

2841

DATE MAILED: 06/14/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

**Office Action Summary**

Application No.

10/654,288

Applicant(s)

LIN ET AL.

Examiner

Hung S. Bui

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

**Status**

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**.                      2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

**Disposition of Claims**

- 4) ☒ Claim(s) 1-20 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 1-20 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

**Application Papers**

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 02 September 2003 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

**Priority under 35 U.S.C. § 119**

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
  2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.
  3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

**Attachment(s)**

- |   |   |
|---|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)   | 4) <input type="checkbox"/> Interview Summary (PTO-413)<br>Paper No(s)/Mail Date. ____. |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948)  | 5) <input type="checkbox"/> Notice of Informal Patent Application (PTO-152)             |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)<br>Paper No(s)/Mail Date <u>09/02/2003</u> . | 6) <input type="checkbox"/> Other: ____.  |

## DETAILED ACTION

### *Claim Rejections - 35 USC § 102*

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

2. Claims 1-5, 8-15, 18-20 are rejected under 35 U.S.C. 102(b) as being anticipated by Cranston, III et al. [US 6,138,839].

Regarding claims 1 and 15, Cranston, III et al. disclose a mounting apparatus (figures 1-2), for expansion cards (22), each of the expansion cards comprising a slot cover (18) having a bent end portion (14), the mounting apparatus comprising:

- a panel (10) defining an opening (8);
- a mounting frame (6) attached to the panel around the opening, the mounting frame comprising a support member for supporting the end portion of the slot cover (figures 1-2);
- a pressing body pivotably mounted to the mounting frame/panel;
- a retention member (63) attached to the mounting frame, the retention member having a protrusion formed thereon; and
- wherein when the press body is pivoted to an engaging position in which the pressing body presses the end portion against the support member, the protrusion snappingly engages with the pressing body so as to retain the pressing body in the engaging position (figure 2).

Regarding claim 2, Cranston, III et al. disclose wherein pivot holes being defined in the pressing body and the mounting frame/panel and a pivot axle (40) extends through the pivot holes (figures 1-2).

Regarding claims 3, 10-11, Cranston, III et al. disclose the pivot hole of the pressing body being defined by a rolled tab (46) thereof.

Regarding claims 4 and 12, Cranston, III et al. disclose the support member defining a positioning hole (figures 1-2), the end portion of the slot cover defines a cutout, and the pressing body comprising a positioning post (48) extending through the cutout into the positioning hole (figures 1-2).

Regarding claims 5 and 13, Cranston, III et al. disclose the pressing body comprising a spring finger for resiliently pressing the end portion of the slot cover (figures 2-3).

Regarding claims 8 and 18, Cranston, III et al. disclose the retaining structure comprising a retention portion (40) on which the protrusion being formed, a mounting portion (a vertical part of the retaining structure, figure 3a) attached to the mounting frame (figure 4a), and operation portion (42) adjoining the retaining portion (figure 3a).

Regarding claim 9, Cranston, III et al. disclose a mounting apparatus assembly (figures 1-2), comprising:

- a panel (10) comprising a mounting frame (6), the mounting frame having a support member (figures 1-2) supporting an end portion (14) of a slot cover (16) of an expansion card (22);

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- a pressing body (figures 1-2) pivotably mounted above the support member, the pressing body comprising a pressing portion pressing the end portion of the slot cover against the support member;
- a pair of retention member (63) located at opposite sides of the mounting frame, each of the retention members comprising a retention portion engaging with a respective end of the pressing body to retain the pressing body in place; and wherein when the retention members are flexed outwardly, the pressing body is rotated away from the end portion whereby the end portion is released (figures 1-2).

Regarding claim 14, Cranston, III et al. disclose the spring finger having sufficient resiliency to rotate the pressing body upwardly when the retention members are flexed outwardly (figures 1-2).

Regarding claims 19, Cranston, III et al. disclose a mounting apparatus (figures 1-2), comprising:

- a panel (10) having a mounting frame structure (6) thereon, wherein the mounting frame structure includes a plurality of spaced expansion slots, along a lengthwise direction of the frame structure, with a support member above the expansion slots (figures 1-2);
- at least an expansion card (22) including a slot cover (18) with an end portion (14) seated upon the support member;
- a pressing body pivotally mounted relative to the panel and above the support member, and defining thereof a pivotal axis extending along the lengthwise

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direction, the pressing body including a pressing portion cooperating with the support member to sandwich the end portion therebetween; and

- at least one retention member fixed to the panel and being moveable in the lengthwise direction, and defining a retention portion downwardly pressing against a portion of the pressing body when the retention member is in a normal condition (figures 1-2).

Regarding claim 20, Cranston, III et al. disclose the portion of the pressing body being an end of the pressing body (figures 1-2).

### ***Claim Rejections - 35 USC § 103***

3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

4. Claims 6-7 and 16-17 are rejected under 35 U.S.C. 103(a) as being unpatentable over Cranston, III et al. in view of Jian [US 6,480,392].

Regarding claims 6-7 and 16-17, Cranston, III et al. disclose the instant invention except for the specific of the retention member.

Jiang discloses a stamped retaining structure (figure 3a) having a protrusion and at least one convex shape (41) on a main surface of the retaining structure, and an engaging face interconnecting a bottom end of the main surface with the retaining structure.

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It would have been obvious to a person having ordinary skill in the art at the time the invention was made to include a convex shape on the retention member of Cranston, III et al., as suggested by Jiang, for the purpose of locking the pressing body in the locking position.

### ***Conclusion***

5. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

- Mast [US 5,004,867] discloses a personal computer expansion slot seal and method;
- Vier et al. [US 6,738,261] disclose expansion card retainer;
- Chen [US 6,231,139] discloses a computer enclosure incorporating a fixing cover;
- Davis et al. [US 6,674,650] disclose a card retention assembly; and
- Chen [US 6,182,835] discloses a device for mounting computer expansion slot covers.

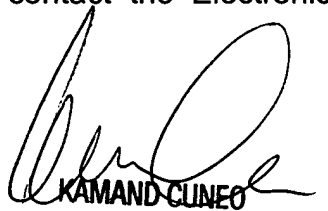
6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Hung S. Bui whose telephone number is (571) 272-2102. The examiner can normally be reached on Monday-Friday 8:30AM-6:00PM.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Kamand Cuneo can be reached on (571) 272-1957. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

6/10/05  
*Hung Bui*  
Art unit 2841

  
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